

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/597,173 A
Source: PCT - efs
Date Processed by STIC: 9-11-06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/24/05



IFWP

RAW SEQUENCE LISTING

DATE: 09/11/2006

PATENT APPLICATION: US/10/597,173A

TIME: 13:45:03

Input Set : N:\efs\10597173A_efs\SEQ_LISTING_10597173.txt
 Output Set: N:\CRF4\09112006\J597173A.raw

1 <110> APPLICANT: GENEIN CO., LTD.
 2 KIM, Cheol-Min
 3 PARK, Hee-Kyung
 5 <120> TITLE OF INVENTION: Oligonucleotide for genotyping of Mycoplasma, microarray
 6 comprising the oligonucleotide, and method for detection of
 7 species using the microarray
 9 <130> FILE REFERENCE: PN053079
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/597,173A
 C--> 11 <141> CURRENT FILING DATE: 2006-07-13
 11 <160> NUMBER OF SEQ ID NOS: 133
 13 <170> SOFTWARE: KopatentIn 1.71
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 344
 17 <212> TYPE: DNA
 18 <213> ORGANISM: M.bovis
 20 <400> SEQUENCE: 1
 21 ttctacggag tacacttgc ttttatcact ataaaaaaaaa gacttataac caaaaattact 60
 23 agacctataat ttatttataaa acgtcatggc ttttattaat aggtcaaaag ctatataatct 120
 25 agttttgaga gaacattctc tcatatgttc tttgaaaact gaatagtaaa atattttcg 180
 27 atatttacaa cgacatcaaa aatcaaattt atggtaatt ttttttgatt catcgagtaa 240
 29 gtcatattta atatgattca ttgaaatgtc tttaaataca catctaaaac taacaacaat 300
 31 aggaaaatac tactttaaa taaggaagag tttttgggtgg atgc 344
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 196
 36 <212> TYPE: DNA
 37 <213> ORGANISM: M.cloacale
 39 <400> SEQUENCE: 2
 40 cttctacgga gtacaattct cactgttagt gaattaaatt tttatccagt tttgagagaa 60
 42 ctttctctca attttggctt ttgaaaactg aatatagaca ttgaaatcaa taaattaata 120
 44 tttcaaattgt tttagatcaac ctatagaata ttcaagacat atacaaaat aggtcatact 180
 46 tatatttata aatact 196
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 196
 51 <212> TYPE: DNA
 52 <213> ORGANISM: M.falconis
 54 <400> SEQUENCE: 3
 55 ctttctacgg agtacaacctt ctgttatgga ataatatttgc tatccagttt tgagagttact 60
 57 aactctcttt ttgttctttt gaaaactgaat atcgacattt gaaaattttt aattaatattt 120
 59 tcaaagttt gatcaaccta tagaatacaa aaatatagac aacaataggt catacaacaa 180
 61 acataacaaa acaact 196
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 239
 66 <212> TYPE: DNA

RAW SEQUENCE LISTING

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Input Set : N:\efs\10597173A_efs\SEQ_LISTING_10597173.txt
 Output Set: N:\CRF4\09112006\J597173A.raw

67 <213> ORGANISM: M. faucium
 69 <400> SEQUENCE: 4
 70 gaatggtggc ttcgagacta aaagttatgg aaaaacatcg tatccagttt tgagagaact 60
 72 aaacttctct cttttgttct ttgaaaactg aatatagaca ttgaaaatta aaaaattaat 120
 74 atttcaagttt tagatcaac ctatagaata caaaatcaat acaataggtc aatactatac 180
 76 aattgcataa caaaaataac tattaaacaa gataagagtt tttgggtggat gcaattgt 239
 79 <210> SEQ ID NO: 5
 80 <211> LENGTH: 340
 81 <212> TYPE: DNA
 82 <213> ORGANISM: M. spermatophilum
 84 <400> SEQUENCE: 5
 85 gtggggatgg atcacccctt ttctacggag tacaaacata cattcaaatt ttgactgaat 60
 87 gttattaacc ttatttttc actaggcctt tttaatataat tttgttatgt gactttatg 120
 89 gcctaaaagt cttatatacta gttttgagag gacatccctct ctaattgttc tttgaaaact 180
 91 gaatagtaaa ttttttgata ttacaaacgta catctaaata attgaattaa gtcaatttg 240
 93 ttagatttca tcgagatagt cattttaaa aaatgattca ttgaaatgtc ttaaaaataca 300
 95 catcaaaaca aacaatctat acaataggaa tttatatact 340
 98 <210> SEQ ID NO: 6
 99 <211> LENGTH: 322
 100 <212> TYPE: DNA
 101 <213> ORGANISM: M. synoviae
 103 <400> SEQUENCE: 6
 104 tccttacgga gtacattaaat ttacaaaag gcattttat taactgaaag cttttagaga 60
 106 aaaattctaa aagggttgt gtatcgctt ttttgccttg ggctattgtt ttttagtttt 120
 108 agagaacaac ctctcttaaa attgttcttt gaaaactaaa tagtaataaa gatattacaa 180
 110 cgacatcaaa aatataaaatt aattaaggaa aattttttt gataccgagt ttaaattttt 240
 112 gaataataat ttataaaat gtcttgaat acatcataac aatataacaa taggacatata 300
 114 tgatactaac ttataaaaaa gt 322
 117 <210> SEQ ID NO: 7
 118 <211> LENGTH: 15
 119 <212> TYPE: DNA
 120 <213> ORGANISM: Artificial Sequence
 122 <220> FEATURE:
 123 <223> OTHER INFORMATION: Probe for detecting Mycoplasma
 126 <400> SEQUENCE: 7
 127 ttctttgaaa actga 15
 130 <210> SEQ ID NO: 8
 131 <211> LENGTH: 20
 132 <212> TYPE: DNA
 133 <213> ORGANISM: Artificial Sequence
 135 <220> FEATURE:
 136 <223> OTHER INFORMATION: Probe for detecting Mycoplasma
 139 <400> SEQUENCE: 8
 W--> 140 rwtctttvaa aactrratn ① - see page 7 20
 143 <210> SEQ ID NO: 9
 144 <211> LENGTH: 21
 145 <212> TYPE: DNA
 146 <213> ORGANISM: Artificial Sequence
 148 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/597,173A

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Input Set : N:\efs\10597173A_efs\SEQ_LISTING_10597173.txt
Output Set: N:\CRF4\09112006\J597173A.raw

149 <223> OTHER INFORMATION: Probe for detecting *M. arginini*, etc.
152 <400> SEQUENCE: 9
153 mwtygtrtcc agtttgaga g 21
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 21
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Probe for detecting *M. arginini*, etc.
165 <400> SEQUENCE: 10
166 tttagatcaa cctatagaat a 21
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 21
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Probe for detecting *M. bovis*, etc.
178 <400> SEQUENCE: 11
179 rtatytatgtt ttgagagrrc a 21
182 <210> SEQ ID NO: 12
183 <211> LENGTH: 21
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Probe for detecting *M. bovis*, etc.
191 <400> SEQUENCE: 12
192 wwtrattyat traaatgtct t 21
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 17
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Probe for detecting *M. bovis*, etc.
204 <400> SEQUENCE: 13
205 ggkyaatttg tttwgat 17
208 <210> SEQ ID NO: 14
209 <211> LENGTH: 18
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Probe for detecting *M. bovis*, etc.
217 <400> SEQUENCE: 14
218 ratatttaca mcgmcayc 18
221 <210> SEQ ID NO: 15
222 <211> LENGTH: 21
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Probe for detecting *M. muris*, etc.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/597,173A

DATE: 09/11/2006

TIME: 13:45:03

Input Set : N:\efs\10597173A_efs\SEQ_LISTING_10597173.txt
Output Set: N:\CRF4\09112006\J597173A.raw

230 <400> SEQUENCE: 15 21
231 cctcctttct atcgagtttt a
234 <210> SEQ ID NO: 16
235 <211> LENGTH: 21
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Probe for detecting M. muris, etc.
243 <400> SEQUENCE: 16 21
244 cggattctat ttagtttga g
247 <210> SEQ ID NO: 17
248 <211> LENGTH: 21
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Probe for detecting M. neurolyticum, etc.
256 <400> SEQUENCE: 17 21
257 taaaatagat accttaakat a
260 <210> SEQ ID NO: 18
261 <211> LENGTH: 17
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Probe for detecting M. neurolyticum, etc.
269 <400> SEQUENCE: 18 17
270 gatatyyagtt ttgaaag
273 <210> SEQ ID NO: 19
274 <211> LENGTH: 16
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Probe for detecting M. neurolyticum, etc.
282 <400> SEQUENCE: 19 16
283 cttgccaaawt agwtwt
286 <210> SEQ ID NO: 20
287 <211> LENGTH: 21
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Probe for detecting M. genitalium, etc.
295 <400> SEQUENCE: 20
296 awacracaat ctttcttagtt c 21
299 <210> SEQ ID NO: 21
300 <211> LENGTH: 21
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Probe for detecting M. genitalium, etc.
308 <400> SEQUENCE: 21

RAW SEQUENCE LISTING DATE: 09/11/2006
 PATENT APPLICATION: US/10/597,173A TIME: 13:45:03

Input Set : N:\efs\10597173A_efs\SEQ_LISTING_10597173.txt
 Output Set: N:\CRF4\09112006\J597173A.raw

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309 aataagttac taaggcctta t 21
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 18
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
321 <400> SEQUENCE: 22
322 tcatcatatt cagtttg 18
325 <210> SEQ ID NO: 23
326 <211> LENGTH: 21
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
334 <400> SEQUENCE: 23
335 gggcctrtag ctcagytgg t 21
338 <210> SEQ ID NO: 24
339 <211> LENGTH: 21
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
347 <400> SEQUENCE: 24
348 agagcrcwcg cytgataagc g 21
351 <210> SEQ ID NO: 25
352 <211> LENGTH: 21
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
360 <400> SEQUENCE: 25
361 wrggtcgtat ggttcragtc c 21
364 <210> SEQ ID NO: 26
365 <211> LENGTH: 21
366 <212> TYPE: DNA
367 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
370 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
373 <400> SEQUENCE: 26
374 tcatcatatt cagtttgat r 21
377 <210> SEQ ID NO: 27
378 <211> LENGTH: 21
379 <212> TYPE: DNA
380 <213> ORGANISM: Artificial Sequence
382 <220> FEATURE:
383 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
386 <400> SEQUENCE: 27
387 agtcttggaa aagtatataa a 21
  
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/11/2006
PATENT APPLICATION: US/10/597,173A TIME: 13:45:04

Input Set : N:\efs\10597173A_efs\SEQ_LISTING_10597173.txt
Output Set: N:\CRF4\09112006\J597173A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 20

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/597,173A

DATE: 09/11/2006
TIME: 13:45:04

Input Set : N:\efs\10597173A_efs\SEQ_LISTING_10597173.txt
Output Set: N:\CRF4\09112006\J597173A.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:8; N Pos. 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/597,173A

DATE: 09/11/2006

TIME: 13:45:04

Input Set : N:\efs\10597173A_efs\SEQ_LISTING_10597173.txt
Output Set: N:\CRF4\09112006\J597173A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:140 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:8
L:140 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:8
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0